

pale spot enclosed on the union of the two lower apical areas; wings fuscous, the venation sanguineous, the marginal fringe pale hyaline; pronotal lateral angles prominently broad and acute; head including eyes a little more than two-thirds the width of base of mesonotum; rostrum passing the posterior trochanters; opercula (in ♂) short, broadly rounded, their inner angles almost uniting; face centrally longitudinally and on each side strongly transversely sulcate.

Long., ♂, 30 (excl. tegm.); exp. tegm. 100 mm.

Hab. French Central Africa; Tuburi Marsh (P. A. Talbot).

XXI.—*Descriptions of New Pyralidæ of the Subfamilies Crambinæ and Siginæ.* By Sir GEORGE F. HAMPSON, Bart., F.Z.S., &c.

[Continued from p. 68.]

(3 c) *Surattha rubrifusalis*, sp. n.

♂. Head and thorax white tinged with red-brown, the former faintly; abdomen white slightly tinged with red-brown; antennæ black; palpi tinged with red-brown; pectus, legs, and ventral surface of abdomen white faintly tinged with red-brown, the fore tibiæ and tarsi suffused with red-brown, the mid and hind tarsi banded with red-brown. Fore wing white suffused with pale red-brown and slightly irrorated with black, especially on basal and costal areas; a short diffused black fascia below base of cell; an indistinct diffused curved black antemedial line; a black bar from middle of costa and point above vein 1; a black fascia in and just beyond end of cell with a white discoidal spot on it; a white subterminal line defined on inner side by blackish, excurved below vein 6, then faint; a terminal series of blackish points; cilia white with a brown line through them. Hind wing white faintly tinged with red-brown. Underside of fore wing tinged with red-brown.

♀. Thorax and fore wing strongly suffused with red-brown.

Hab. BR. E. AFRICA, Manda I. (Jackson), 1 ♂, 1 ♀ type. Exp. 22 mm.

(3 d) *Surattha phæomesa*, sp. n.

♀. Head, thorax, and abdomen greyish suffused with brown and some rufous, the abdomen more rufous towards base of dorsum; antennæ fuscous; pectus, legs, and ventral surface of abdomen white tinged with brown. Fore wing greyish suffused with brown and some rufous, the costal area almost entirely white, extending on outer half of medial area to the median nervure and vein 4, the

terminal area white; a diffused black subbasal line, oblique below submedian fold and slightly angled outwards above inner margin; antemedial line formed by diffused black marks below the costa and in and below the cell, then almost obsolete; medial line rather diffused, black, angled outwards at median nervure and vein 1; the outer half of medial area grey suffused with fuscous, white to vein 4; a small black discoidal spot; postmedial line rather diffused, black defined on outer side by rufous, somewhat dentate and slightly angled outwards below submedian fold, forming a small spot at costa; subterminal line strong, rufous with some black at costa, its outer edge slightly dentate, its inner excurved at middle; a maculate black terminal line. Hind wing greyish fuscous. Underside greyish fuscous, the fore wing with the terminal half of costa white with a small black postmedial spot on it.

Ab. 1. Fore wing with a white line beyond the antemedial black marks, the terminal area with the rufous much broader and the white before and beyond it reduced.

Ab. 2. Fore wing with the outer half of medial area dark except at costa.

*Hab.* "GERM. E. AFRICA," Lulanguru, nr. Tabora (*Carpenter*), 4 ♀ type. *Exp.* 18-20 mm.

(3e) *Surattha diffusilinea*, sp. n.

Head white; thorax and abdomen white tinged with rufous; antennæ of male with the branches black; palpi slightly tinged with rufous; pectus, legs, and ventral surface of abdomen white. Fore wing white faintly tinged with rufous and slightly irrorated with blackish; a diffused oblique black antemedial line, excurved below submedian fold; two similar medial lines, the inner more diffused and indistinct, the outer with a pure white discoidal lunule on its outer edge; a diffused curved black postmedial line and similar but narrower and somewhat dentate subterminal line; a terminal series of slight blackish points; cilia white mixed with some red-brown. Hind wing white faintly tinged with rufous. Underside white tinged with rufous.

*Hab.* N.S. WALES, Broken Hill (*Lower*), 1 ♂, 1 ♀ type. *Exp.* 20 mm.

(3f) *Surattha albicostalis*, sp. n.

♀. Head and thorax white tinged with rufous; abdomen white; palpi white mixed with rufous and with some blackish at tips; pectus and legs white. Fore wing white suffused with rufous and thickly irrorated with black in the interspaces, the costal area pure white, with a slight rufous tinge towards base; slight subbasal and antemedial marks in the cell and a black streak below vein 1 on antemedial area; an indistinct oblique white medial line from subcostal nervure to inner margin, defined on each side by slight

diffused black marks; black bars before and beyond the discocellulars; postmedial line white, defined on inner side by diffused black except at costa and on outer by fulvous yellow, excurved beyond the cell and incurved at submedian fold; a series of small dentate black spots before termen; cilia white with red-brown lines near base and tips. Hind wing white faintly tinged with red-brown, the cilia pure white with a pale red-brown line near base. Underside white slightly tinged with rufous.

*Hab.* MADRAS, Horseleykonda (*Campbell*), 1 ♀ type. *Exp.* 28 mm.

(4a) *Surattha endoleuca*, sp. n.

♂. Head and thorax white irrorated with brown; antennæ with the shaft white, the branches black; abdomen red-brown with some white at base and extremity and with white segmental lines except towards base, the ventral surface white irrorated with brown; pectus and femora white; tibiæ and tarsi pale red-brown. Fore wing reddish brown tinged with grey and irrorated with white, the inner area and the termen except towards apex white irrorated with brown; a faint, pale fulvous, almost medial line oblique towards costa, then waved and ending at vein 1, defined on outer side by black irroration below subcostal nervure and on inner side below the cell; a subbasal patch of black irroration above and below vein 1; a small white discoidal spot; subterminal line white towards costa then pale fulvous, ending at vein 1, dentate except towards costa and defined on inner side by black irroration, somewhat excurved at middle, then oblique; a rather maculate black terminal line; cilia white tinged with fulvous, with two slight blackish lines through them and some black scales at tips. Hind wing whitish suffused with reddish brown; a fine dark terminal line; the cilia whiter with traces of two dark lines through them. Underside white tinged with reddish brown especially on fore wing which has the subterminal line white and maculate.

*Hab.* S. PALESTINE, El Fukhari (*Austen*), 2 ♂ type. *Exp.* 20 mm.

(4b) *Surattha arenalis*, sp. n.

♂. Head, thorax, and abdomen whitish suffused with pale red-brown; antennæ with the shaft white, the branches pale red-brown; pectus, legs, and ventral surface of abdomen white. Fore wing whitish uniformly suffused with pale reddish brown; traces of a sinuous dark line from lower angle of cell to inner margin and of a postmedial line excurved towards costa and inner margin and incurved at vein 2. Hind wing whitish strongly suffused with reddish brown. Underside whitish suffused with reddish brown.

♀. Hind wing paler.

*Hab.* PUNJAB, Moghal Sarai (*Betton*), 1 ♂, 3 ♀ type. *Exp.*, ♂ 20, ♀ 24-26 mm.

(5 a) *Surattha ochrifasciata*, sp. n.

♂. Head and thorax black irrorated with a few white scales; abdomen whitish suffused with black; pectus and legs white mixed with black. Fore wing black mixed with grey-white, the costal area tinged with red-brown to towards apex with a black streak below its medial part; a reddish-ochreous fascia in submedian interspace to beyond middle with a deep black streak below it on terminal half; another reddish-ochreous fascia in and beyond end of cell. Hind wing whitish tinged with brown; a blackish streak on terminal part of vein 1 and some black scales on termen from apex to submedian fold. Underside of fore wing and costal area of hind wing suffused with reddish brown.

*Hab.* BR. E. AFRICA, Eb Urru (*Betton*), 1 ♂ type. *Exp.* 28 mm.

## Genus CATANCYLA, nov.

Type, *C. brunnea*.

Proboscis fully developed; palpi downcurved, extending about twice the length of head and thickly scaled; maxillary palpi triangularly dilated with scales; frons with pointed conical prominence; antennæ of male bipectinate with rather long branches to apex. Fore wing rather narrow, the apex rounded, the termen evenly curved; vein 2 from towards angle of cell; 3 and 5 from angle, 4 absent; 6 from below upper angle; 7, 8, 9 stalked; 10, 11 from cell, 11 not anastomosing with 12. Hind wing with vein 2 from well before angle of cell; 3 and 5 from angle, 4 absent; 6 obsolescent from below upper angle; 8 approximated to 7, but not anastomosing with it.

In key differs from *Ancylolomia* in the fore wing having vein 4 absent and 11 free.

*Catancylla brunnea*, sp. n.

♂. Head and thorax bright red-brown; abdomen whitish suffused with red-brown; pectus and legs whitish suffused with red-brown. Fore wing bright red-brown mixed with some whitish and irrorated with blackish, a whitish fascia in submedian fold to end of cell; traces of an oblique postmedial series of blackish points on veins 6 to 1; a red-brown terminal line and line near base of cilia. Hind wing white tinged with red-brown. Underside of fore wing whitish tinged with red-brown.

♀. Fore wing more uniform red-brown without the whitish fascia below the cell, traces of a blackish medial line bent outwards below costa and incurved below submedian fold, the postmedial points more distinct and somewhat clavate, a subterminal series of blackish points on the veins.

*Hab.* W. AUSTRALIA, Roebourne, 1 ♂, 2 ♀ type. *Exp.*, ♂ 22, ♀ 24 mm.

(1 a) *Ancylolomia castaneata*, sp. n.

♂. Head and thorax glossy black-brown; abdomen rufous with a cupreous gloss; palpi, pectus, legs, and ventral surface of abdomen red-brown suffused with blackish. Fore wing chestnut-brown, the inner half to near termen and a postmedial shade except at costa fuscous brown; a black streak in the cell with some silvery scales above it, two short streaks beyond the cell, and a short streak in submedian fold below end of cell; a slightly sinuous dark subterminal line with some silvery scales on it; a series of black points before termen; cilia with a dark line at base. Hind wing pale reddish brown. Underside greyish tinged with red-brown.

*Hab.* TRANSVAAL, White R. (Cooke), 2 ♂ type. *Exp.* 32 mm.

(1 b) *Ancylolomia melanella*, sp. n.

Head and thorax black-brown; abdomen greyish dorsally tinged with brown. Fore wing black-brown; cupreous fasciæ with streaks of black scales on them in the cell, on the veins for some distance beyond it and in submedian interspace; silvery streaks above median nervure, in the interspaces beyond the cell for some distance and below submedian fold; a whitish terminal band with series of fuscous and black points on it, defined on inner side by silvery and brown lines and angled at vein 3; cilia black with pale tips. Hind wing white, the costal area and terminal area to vein 2 in male, in female the costal area only tinged with brown.

*Hab.* "GERM. E. AFRICA," Dar-es-Salaam, 1 ♀; NATAL, Maritzburg (Queckett), 1 ♂ type. *Exp.* 30 mm.

(1 d) *Ancylolomia perfasciata*, sp. n.

♂. Head and thorax golden cupreous with a black streak on vertex of head and thorax and fascia at sides of tegulæ and patagia, the outer edge of base of patagia white; abdomen white with some fulvous at base of dorsum and forming slight segmental lines; antennæ tinged with black; pectus and legs white, the latter tinged with golden cupreous; ventral surface of abdomen with subventral and ventral cupreous streaks. Fore wing golden cupreous; a blackish fascia through the cell to the subterminal line, rather diffused beyond the cell, and another on basal half of vein 1, then in submedian interspace to the subterminal line; streaks of black scales through the cell, in terminal half of submedian fold and on the veins beyond the cell; silvery streaks above median nervure, above and below terminal half of submedian fold and in the interspaces beyond the cell to the subterminal line, which is double, silvery blackish filled in with orange-yellow, oblique towards apex, then minutely dentate to vein 3 where it is angled outwards, then incurved; a silvery blackish line before termen, arising before apex, slightly waved to below vein 4 where it is interrupted and oblique from below vein 3; cilia silvery fuscous

at base, then silvery white tinged with fuscous at tips. Hind wing glossy white. Underside of fore wing and costal area of hind wing suffused with red-brown except on terminal area.

♀. Fore wing with the black fasciæ much stronger.

Ab. 1. Hind wing suffused with fuscous, the base white.

*Hab.* ABYSSINIA, Zegi Tsana (*Degen*), 1 ♀; BR. E. AFRICA, Nakura (*Bodeker*), 1 ♂, 1 ♀ type; UGANDA (*Doggett*), 1 ♀; MASHONALAND, Salisbury (*Marshall*), 1 ♂; TRANSVAAL (*Cholmley*), 2 ♂, Johannesburg (*Gregoe*), 1 ♂, Pretoria (*Distant*), 1 ♀; ZULULAND, Lr. Tugela R. (*Reynolds*), 2 ♂, 1 ♀; NATAL, Maritzburg (*Burnup*), 1 ♂; MADAGASCAR, Antananarivo (*Kingdon*), 2 ♀. *Exp.* 32-42 mm.

(1e) *Ancylolomia prepiella*, sp. n.

Head, thorax, and abdomen white; palpi brown at sides; patagia with the upper half brown. Fore wing golden brown with pure white fasciæ on costa to near apex, below the cell to just beyond lower angle, on inner margin, and above vein 5; two silver streaks in cell, one in submedian interspace, and others in the interspaces beyond the cell; series of black scales on the veins, in the cell, and in submedian interspaces; a terminal white band with series of black points on it and defined on inner side by silvery and white lines; cilia silver at tips. Hind wing pure white.

*Hab.* TRANSVAAL, White R. (*Cook*), 1 ♂, 1 ♀, Modderfontein (*Cruger*), 1 ♀, Johannesburg (*Gregoe*), 1 ♂; NATAL, 1 ♀ type; BASUTOLAND, Masite (*Weigall*), 1 ♂, Pithaneng R. Valley (*Crawshay*), 1 ♂; C. COLONY, Zuurberg (*Bairstow*), 4 ♂. *Exp.* 28-36 mm.

(1f) *Ancylolomia albicostalis*, sp. n.

♀. Head and thorax pale fulvous; abdomen white; antennæ tinged with fuscous, pectus white; legs and ventral surface of abdomen pale fulvous. Fore wing pale golden cupreous, the costal area whitish to near apex with the costal edge fuscous; a white fascia along median nervure to origin of vein 2; silvery streaks above terminal half of median nervure, below terminal half of submedian fold, and in the interspaces beyond the cell to near the subterminal line; streaks of black scales through the cell, on terminal part of median nervure, in terminal half of submedian fold, on medial part of vein 1, and on the veins beyond the cell to the subterminal line, which is double, silvery, slightly waved, and angled outwards at vein 3; the termen creamy white with a black point before it below apex; cilia silvery fuscous at base, then silvery white with some brown at tips. Hind wing glossy white. Underside of fore wing tinged with red-brown except on inner and terminal areas.

*Hab.* MASHONALAND, Salisbury (*Marshall*), 1 ♀ type. *Exp.* 42 mm.

(4b) *Ancylolomia lentifascialis*, sp. n.

♂. Head, thorax, and abdomen white tinged with brown; antennæ tinged with fuscous; palpi and fore legs fulvous brown. Fore wing whitish irrorated with brown and the costal area tinged with golden cupreous to beyond middle, a brownish shade through the cell; faint silvery streaks above median nervure, along vein 1, and in the interspaces beyond the cell; streaks of black scales through the cells and on the veins just beyond the cell and a patch of black and silver scales in submedian fold below origin of vein 2; subterminal line double, silvery, oblique towards costa, then slightly waved to vein 3 where it is angled outwards; the termen white with a brownish line before it from below apex with a series of slight black points on it; cilia silvery at base, silvery white at tips. Hind wing glossy white. Underside of fore wing and costal area of hind wing suffused with red-brown, the termen whitish.

*Hab.* TRANSVAAL, Zoutspanberg (*Janse*), 4 ♂ type. *Exp.* 32 mm.

(4c) *Acylolomia fulvitinctalis*, sp. n.

♀. Head and thorax white tinged with rufous; abdomen white, the base of dorsum tinged with fulvous; pectus white; legs tinged with rufous; abdomen with blackish subventral spots on medial segments. Fore wing white tinged with fulvous and sparsely irrorated with black-brown scales; faint silvery streaks above end of median nervure, above middle of vein 1, and in the interspaces beyond the cell; some black scales tending to form short streaks in end of cell, in the interspaces just beyond the cell, and below base of vein 2; an indistinctly double brownish and silvery subterminal line, oblique towards costa, then slightly waved to vein 3 where it is angled outwards; a series of prominent black points before termen; cilia metallic silvery at base, then silvery white with some brownish at tips. Hind wing glossy white. Underside of fore wing and costal area of hind wing tinged with rufous.

*Hab.* UGANDA, Gondokoro (*Reymes-Cole*), 1 ♀ type. *Exp.* 36 mm.

(4e) *Acylolomia melanothoracia*, sp. n.

♀. Head and thorax black; abdomen brownish grey, dorsally fulvous yellow towards base then with whitish segmental lines; fore legs whitish. Fore wing ochreous yellow, the costal area to near apex and the inner area towards base red-brown, the costa darker towards base; slight streaks of silvery scales with some black scales above them below discal and submedian folds to end of cell and in the interspaces of postmedial area; a deep rufous discoidal bar; a lunulate black postmedial spot between veins 6 and 4 with a quadrate patch beyond it on termen, and an oblique

mark below vein 2 with a wedge-shaped patch beyond it on termen. Hind wing glossy fuscous grey, the cilia whiter. Underside fuscous grey, the fore wing with the costa fulvous yellow towards apex.

*Hab.* "GERM. E. AFRICA," Lulanguru, nr. Tabora (*Carpenter*), 1 ♀ type. *Exp.* 26 mm.

(4f) *Ancylolomia agraphella*, sp. n.

♀. Head, thorax, and abdomen fuscous brown, the last dorsally ochreous towards base. Fore wing pale golden brown irrorated with a few black scales; a black point at upper angle of cell; traces of a subterminal series of specks on the veins; a terminal series of points. Hind wing fuscous.

*Hab.* ASSAM (*Badgley*), 1 ♀; TIMOR, Oimainissa (*Doherty*), 1 ♀ type. *Exp.* 28-32 mm.

(5a) *Ancylolomia chrysargyria*, sp. n.

Head and thorax rufous with some whitish on vertex of head; abdomen white, the 2nd and 3rd segments dorsally fulvous; pectus, legs, and ventral surface of abdomen white suffused with rufous. Fore wing golden cupreous; a diffused whitish fascia on medial part of costa; a white fascia on and below median nervure to origin of vein 2, then below vein 2 to end of cell; a silvery streak below submedian fold to well beyond middle, a streak below the terminal half of the white fascia and short streaks in the interspaces beyond the cell; streaks formed by black scales in terminal half of cell, on terminal part of median nervure, in submedian fold, and on the basal half of the veins beyond the cell; the terminal area white with a narrow silvery subterminal band to submedian fold, excurved at vein 3, with a fine slightly waved rufous line before it; a series of minute black points before termen to submedian fold, placed on a fine brown line interrupted at vein 3; cilia silvery at base, white at tips. Hind wing glossy white. Underside white, the fore wing and costal area of hind wing tinged with rufous except on terminal area.

*Hab.* S. NIGERIA, Forcados (*Simpson*), 1 ♂, Lokoja (*Dudgeon*), 1 ♀; N. NIGERIA, Minna (*Macfie*), 6 ♂, 1 ♀ type, Zungeru (*Macfie*), 1 ♀. *Exp.*, ♂ 22, ♀ 26-28 mm.

(5b) *Ancylolomia cræsus*, sp. n.

♂. Head and thorax fulvous; abdomen white, the 2nd and 3rd segments dorsally fulvous; pectus, legs, and ventral surface of abdomen white suffused with red-brown, the fore tibiae and tarsi white in front. Fore wing golden cupreous; a diffused whitish fascia on medial part of costa; a pure white fascia below median nervure to end of cell, silvery streaks on median nervure, below submedian fold, and in the interspaces beyond the cell to well beyond middle; streaks formed by black scales from middle of cell, in

submedian fold, above vein 1, and on the veins beyond the cell to well beyond middle; the terminal area white with a silvery subterminal line to submedian fold, angled outwards at vein 3, a fine rufous line before it; a series of minute black points before termen to submedian fold, placed on a fine brown line interrupted at vein 3; cilia silvery white with a brownish line at base. Hind wing glossy white. Underside white, the fore wing and costal area of hind wing tinged with red-brown except on terminal area.

♀. Fore wing with the medial part of costa only slightly pale, the rufous line before the subterminal line hardly traceable.

*Hab.* BR. E. AFRICA, Nairobi (*Anderson*), 1 ♂, 4 ♀ type, Kikuyu (*Crawshay*), 2 ♀, Eb Urru (*Betton*), 1 ♂. *Exp.*, ♂ 26-30, ♀ 34-40 mm.

(5 c) *Ancylolomia dives*, sp. n.

♂. Head and thorax rufous; abdomen white tinged with rufous; pectus whitish; legs rufous. Fore wing golden cupreous; a diffused white fascia on medial part of costa; silvery streaks from middle above and below submedian fold and in the interspaces beyond the cell to near the subterminal line; streaks formed by black scales in discal fold from before middle, on terminal parts of subcostal and median nervures, in submedian fold, and on the veins beyond the cell to well beyond middle; a silvery subterminal line to submedian fold with a fine rufous line before it and defined on outer side by a narrow white band, somewhat dentate on costal half and slightly angled outwards at vein 3; the termen pale yellow with a series of minute black points before it to submedian fold placed on a brown line interrupted at vein 3; cilia silvery at base, white at tips. Hind wing glossy white, faintly tinged with red-brown except on inner and terminal areas. Underside of fore wing and costal half of hind wing suffused with red-brown except at termen.

*Hab.* MADRAS, Belgaum (*Watson*), 3 ♂ type. *Exp.* 24 mm.

(5 e) *Ancylolomia ophiralis*, sp. n.

♂. Head and thorax rufous, the patagia with white stripe at middle and black stripe above, the dorsum of thorax with some black; abdomen white, the 2nd and 3rd segments dorsally fulvous; pectus whitish; legs and ventral surface of abdomen pale rufous. Fore wing golden cupreous, the medial part of costal area suffused with white; silvery streaks above basal half of subcostal nervure, in upper and lower parts of cell, above vein 1, and in the interspaces beyond the cell to near the subterminal line; slight rather diffused streaks formed by black scales through middle of cell, on terminal parts of subcostal and median nervures, in terminal half of submedian fold, and on the veins beyond the cell to near the subterminal line; the terminal area white with a silvery subterminal line with slight rufous line before it, minutely dentate on costal half and

angled outwards at vein 3; a slightly waved brownish line just before termen with some blackish points on it. Hind wing white tinged with reddish brown except on basal area. Underside of fore wing and costal area of hind wing suffused with reddish brown except at termen.

♀. Head and thorax uniform rufous; fore wing with the medial part of costal area only slightly paler, the markings less distinct.

*Hab.* S. NIGERIA (*Dudgeon*), 1 ♂, 1 ♀ type. *Exp.*, ♂ 32, ♀ 36 mm.

(5f) *Ancylolomia atrifasciata*, sp. n.

Head white with a red-brown streak; thorax ochreous rufous with black stripes at sides of tegulae and upper edge of patagia and dorsum of thorax; abdomen white tinged with brownish ochreous, the 2nd segment dorsally fulvous; antennae and palpi fulvous, the latter with some black scales at tips; pectus, legs, and ventral surface of abdomen white suffused with rufous. Fore wing reddish ochreous with a golden gloss, the costal edge white towards base and the medial part of costal area suffused with whitish, a white fascia below the cell to near extremity; silvery streaks below subcostal and above median nervure and streaks in the interspaces beyond the cell to near the subterminal line; a streak formed by black scales through middle of cell; a diffused black fascia on and above vein 1 to below origin of vein 2 and a short fascia below vein 2 below end of cell; a double pale red-brown subterminal line filled in with white, oblique towards apex, then minutely dentate to vein 3 where it is angled outwards; a series of black points before termen placed on a slight brownish line; cilia silvery white with a dark line at base. Hind wing white, tinged with red-brown except on basal and inner areas. Underside of fore wing and costal area of hind wing suffused with reddish brown.

Ab. 1. ♀. Fore wing with black fascia in the cell and the fascia on vein 1 and below vein 2 stronger.

*Hab.* BR. E. AFRICA, Nakutu (*Bodeker*), 2 ♂, 3 ♀ type. *Exp.*, ♂ 30, ♀ 40 mm.

(9a) *Ancylolomia irrorata*, sp. n.

♂. Head and thorax whitish tinged with rufous and slightly irrorated with red-brown; abdomen white, dorsally tinged with rufous towards base; antennae with the branches brownish; pectus, legs, and ventral surface of abdomen whitish suffused with rufous. Fore wing white largely tinged with rufous and irrorated with brown, the costal area with a golden gloss; traces of a dark streak in the cell; a slight fuscous discoidal point, point below origin of vein 2 and slight bar below end of cell; a series of black points just before termen. Hind wing glossy white with a series of slight dark terminal points to submedian fold. Underside of fore wing and costal area of hind wing suffused with rufous.

*Hab.* S. NIGERIA, Lagos (*Boag*), 2 ♂ type. *Exp.* 22 mm.

(9 h) *Ancylolomia holochrea*, sp. n.

♂. Head and thorax ochreous; abdomen, pectus, and legs ochreous white. Fore wing ochreous, the costal area tinged with rufous, the rest of wing irrorated with red-brown, less strongly below the cell on basal half; a terminal series of black points. Hind wing nearly pure white.

*Hab.* S. NIGERIA, Warri (*Roth, Clayton*), 1 ♂ type; N. NIGERIA, Zunguru (*Simpson*), 1 ♂. *Exp.* 22-24 mm.

Genus PROSMIXIS.

	Type.
<i>Talis</i> , Guen. Eur. Micr. Ind. Meth. p. 86 (1845), non descr. . . . .	<i>quercella</i> .
<i>Prosmixis</i> , Zell. Linn. Ent. i. p. 270 (1846) . . . . .	<i>quercella</i> .
<i>Hednota</i> , Meyr. Trans. Ent. Soc. 1886, p. 270 . . . . .	<i>bifractella</i> .
<i>Araxates</i> , Rag. Ann. Soc. Ent. Fr. (6) viii. p. 281 (1888) . . . . .	<i>pulcherrima</i> .

(7 a) *Prosmixis radialis*, sp. n.

♂. Head and thorax whitish tinged with ochreous yellow, the tegulæ at sides and patagia ochreous yellow; abdomen silvery white tinged with ochreous; pectus white; legs ochreous yellow. Fore wing ochreous yellow; a silvery white streak below costa from base to near apex; a silvery white streak on median nervure and streaks on veins 5, 3, 2 defined above and below by some black-brown scales; a silvery white line before termen from apex to vein 3; cilia silvery white with a pale fulvous line near base. Hind wing silvery white tinged with ochreous yellow, the cilia white with a pale fulvous line near base. Underside tinged with ochreous yellow, the costa more strongly.

*Hab.* W. AUSTRALIA, Waroona (*Berthoud*), 1 ♂ type. *Exp.* 30 mm.

(22 c) *Prosmixis discilunalis*, sp. n.

♂. Head white, the antennæ tinged with red-brown, the palpi tinged with red-brown and irrorated with black, white above; thorax red-brown mixed with white; abdomen white tinged with red-brown; pectus and legs white tinged with red-brown. Fore wing white suffused with red-brown and irrorated with a few black scales especially in basal half of submedian fold, the inner and terminal areas white; traces of a sinuous whitish medial line from subcostal nervure to inner margin; a minute white discoidal lunule defined by some black scales; postmedial line double, brown filled in with white, excurved below costal, then oblique, some darker brown beyond it on costa; the termen red-brown with slight blackish points at the interspaces; cilia with a fine brown line near base. Hind wing white slightly tinged with red-brown, the termen deeper red-brown; cilia white with a pale red-brown line near base. Underside of fore wing and costal area of hind wing suffused with red-brown, the terminal area of fore wing whitish except towards tornus.

*Hab.* VICTORIA, Melbourne (*Anderson*), 1 ♂ type. *Exp.* 22 mm.

(22 d) *Prosmixis plumbealis*, sp. n.

♂. Head rufous, the antennæ dark brown, the palpi red-brown; thorax glossy red-brown; abdomen whitish suffused with red-brown; pectus and legs rufous. Fore wing whitish suffused with reddish brown with a silvery leaden gloss and irrorated with black scales; an indistinct diffused oblique white antemedial line; a narrow white waved medial band defined on outer side by rufous followed by some blackish, a small black spot on its inner side at middle of cell and a small discoidal spot on its outer edge; a narrow white subterminal band with slightly waved edges, defined on inner side by rufous with some black scales before it except towards inner margin, slight marks formed by black scales on its outer edge at costa and below vein 6 with a rufous subapical patch between them, the band slightly incurved below costa and excurved below vein 6; the termen white with some black points towards apex and points below veins 4 and 2. Hind wing white tinged with brown and with indistinct narrow white band before termen. Underside white tinged with brown, the apical area of fore wing whiter.

*Hab.* MASHONALAND (*Dobbie*), 1 ♂ type. *Exp.* 20 mm.

(22 e) *Prosmixis albimaculalis*, sp. n.

♀. Head and thorax rufous mixed with some white; abdomen white suffused with rufous except at base of dorsum; antennæ blackish ringed with white; palpi brownish tinged with fuscous; pectus and legs white tinged with brown. Fore wing whitish suffused with pale red-brown and sparsely irrorated with dark brown; a diffused white fascia in basal part of submedian fold; rather ill-defined spots in middle of cell and beyond its extremity with a rufous patch between them and short black streak beyond them; ill-defined white spots in submedian interspace below middle and end of cell with a rufous patch between them; postmedial line white, excurved beyond the cell, then sinuous; a terminal series of black points; cilia silvery white with a brown line near base and the tips tinged with brown. Hind wing white slightly tinged with brown, the cilia pure white. Underside of fore wing and costal area of hind wing tinged with red-brown.

*Hab.* TRANSVAAL, Enkeld (*Janse*), 1 ♀ type. *Exp.* 24 mm.

(23 d) *Prosmixis flavipars*, sp. n.

♂. Head and thorax black-brown, the outer part of patagia red-brown; abdomen whitish mixed with brown; antennæ black; pectus, legs, and ventral surface of abdomen white mixed with red-brown. Fore wing red-brown mixed with some blackish, the costal area, the cell and area below it to just above vein 1 ochreous yellow with some rufous irroration at costa; a series of slight black marks in the interspaces just before termen; cilia dark brown mixed with

white. Hind wing white suffused with brown. Underside white suffused with red-brown.

*Hab.* MASHONALAND, Salisbury (*Marshall*), 2 ♂ type. *Exp.* 26-28 mm.

(23 e) *Prosmixis albofascialis*, sp. n.

♂. Head and thorax whitish suffused with red-brown; abdomen white tinged with red-brown, the 2nd segment with a dorsal rufous band; antennæ black; pectus and legs white tinged with red-brown. Fore wing whitish suffused with red-brown; a creamy white fascia in submedian interspace to below end of cell with a rufous streak below it on medial area; some white in terminal half of cell with some rufous scales on it at middle of cell and a rufous discoidal bar; an indistinct whitish postmedial line, strongly excurved from costa to vein 3, then incurved and with a rufous mark before it below vein 2; some slight dark points on termen. Hind wing white tinged with red-brown, the inner half of hind wing whiter.

*Hab.* TRANSVAAL, Piet Reteif (*Crawshay*), 1 ♂ type. *Exp.* 30 mm.

(26 a) *Prosmixis molybdella*, sp. n.

Head, thorax, and abdomen yellowish white suffused with pale reddish brown; head above and 1st segment of abdomen whiter. Fore wing ochreous white, the basal area with obscure fuscous streaks in and below the cell and a dark brown streak above vein 1; a medial brown line produced to very long points on costa, in and below the cell and to a shorter point on vein 1, the area beyond it suffused with leaden grey except towards costa and with some white in submedian fold; a double brown subterminal line filled in with ochreous, strongly dentate inwards below costa then with dentitions which increase in length to vein 2; the terminal area with some white scales; slight brown points on a fine terminal ochreous line. Hind wing yellowish white with a fuscous tinge; cilia pure white.

*Hab.* ORANGE R. COLONY, Bloemfontein (*Eckersley*), 2 ♂, Kronstadt (*Eckersley*), 3 ♂; CAPE COLONY, Annshaw (*Miss F. Barrett*), 1 ♂ type, Grahamstown, 1 ♀. *Exp.* 26-30 mm.

(26 b) *Prosmixis albiceps*, sp. n.

♀. Head white with a few pale brown scales; thorax and abdomen brown mixed with whitish; antennæ tinged with brown; pectus, legs, and ventral surface of abdomen white tinged with brown. Fore wing reddish brown mixed with grey-white; blackish subbasal streaks above and below vein 1; a dentate black medial line strongly angled outwards at discal and submedian folds and defined on inner side by white except towards costa; subterminal line white defined on each side by blackish, dentate, angled inwards at discal fold and above and below vein 3; a slightly waved dark brown terminal line; cilia white with dark lines near base and

tips. Hind wing white tinged with brown; cilia white slightly tinged with brown at tips. Underside white suffused with brown except on apical area of fore wing.

*Hab.* CAPE COLONY, Capetown, Table M. (*Meade-Waldo*), 1 ♀ type. *Exp.* 30 mm.

(26 c) *Prosmixis argentescens*, sp. n.

Head and thorax bright red-brown mixed with some whitish; abdomen white tinged with red-brown, the 2nd segment with some fulvous on dorsum; antennæ black ringed with white; palpi white at base and with some black at tips; pectus, legs, and ventral surface of abdomen white tinged with red-brown. Fore wing bright red-brown mixed with some silvery whitish and slightly irrorated with black scales except on costal and terminal areas; a faint blackish streak in end of cell and obscure red-brown discoidal spot defined by whitish; the veins beyond the cell with slight blackish streaks; a faint whitish subterminal line excurved above and below middle; a series of black points before termen from below costa to vein 2; cilia silvery white tinged with red-brown. Hind wing white tinged with red-brown; cilia white with a pale red-brown line near base. Underside white tinged with red-brown.

*Hab.* TRANSVAAL, Lydenburg, 1 ♂; CAPE COLONY, Deelfontein (*Hoggett*), 1 ♀ type, Annshaw (*Miss F. Barrett*), 1 ♀. *Exp.* 28-32 mm.

(26 d) *Prosmixis albescens*, sp. n.

♀. Head and thorax white mixed with red-brown, the head whiter; abdomen white tinged with red-brown; palpi suffused with black except towards base; pectus, legs, and ventral surface of abdomen white irrorated with red-brown. Fore wing white more or less strongly mixed with red-brown and irrorated with black, the costal area whiter; a small rather diffused black discoidal spot; postmedial line indistinct, white defined on outer side by blackish, angled outwards to near termen at vein 6, then oblique to below vein 3, then bent inwards to vein 1 before middle and incurved to inner margin. Hind wing white slightly tinged with red-brown, the cilia almost pure white. Underside of fore wing white suffused with red-brown, the terminal area whiter.

*Hab.* BR. E. AFRICA, Nairobi (*Crawshay, Anderson*), 2 ♀ type. *Exp.* 34 mm.

Genus CONOTALIS, nov.

Type, *C. aurantifascia*.

Proboscis nearly fully developed; palpi downcurved, extending about the length of head and thickly scaled; maxillary palpi strongly dilated with scales; frons with rounded prominence; antennæ of male typically strongly laminate. Fore wing with the

apex rounded, the termen evenly curved; veins 3 and 5 from near angle of cell; 6 from below upper angle; 7 from angle; 8, 9 stalked; 10, 11 from cell, 11 usually anastomosing with 12. Hind wing with vein 3 from close to angle of cell; 4, 5 from angle; 6 obsolescent from well below upper angle; 8 slightly anastomosing with 7.

In key differs from *Prosmixis* in the frons having a rounded prominence.

SECT. I. Antennæ of male with rather long uniseriate branches, the apex ciliated.

(1) *Conotalis nigrisquamalis*, sp. n.

Head and thorax yellowish white tinged with rufous; abdomen yellowish white. Fore wing yellowish white with golden streaks in the interspaces irrorated with large black scales; an almost straight erect bright orange line just before middle; cilia golden. Hind wing white tinged with brown.

*Hab.* TRANSVAAL (*Ross, Janse*), 1 ♂, 1 ♀, Lydenburg, 1 ♂; NATAL, 2 ♂; CAPE COLONY, Annshaw (*Miss F. Barrett*), 1 ♂ type. *Exp.* 24–30 mm.

SECT. II. Antennæ of male laminate.

(2) *Conotalis aurantifascia*.

*Charltona aurantifascia*, Hmps. P. Z. S. 1895, p. 970.

GAMBIA; SIERRA LEONE; GOLD COAST; S. & N. NIGERIA.

(3) *Conotalis nigroradians*.

*Crambus nigroradians*, Mab. Ann. Soc. Ent. Fr. 1899, p. 479.

CONGO; "GERM. E. AFRICA"; BR. C. AFRICA.

Genus DIPLOPTALIS, nov.

Type, *D. metallescens*.

Proboscis aborted and slight; palpi downcurved, extending about the length of the head and thickly scaled; maxillary palpi strongly dilated with scales at extremity; frons smooth and rounded; antennæ of female ciliated. Fore wing with the apex rounded; veins 3 and 5 from near angle of cell; 6 from below upper angle; 7 from angle; 8, 9 stalked; 10, 11 from cell, 11 anastomosing with 12. Hind wing with vein 3 from just before angle of cell; 4, 5 from angle; 6 obsolescent from below upper angle; 8 anastomosing slightly with 7.

In key differs from *Charltona* in the fore wing having the apex rounded, vein 11 anastomosing with 12.

*Diploptalis metallescens*, sp. n.

♀. Head and thorax golden brown with a silvery gloss; abdomen white; pectus and legs white, the latter tinged with golden brown. Fore wing metallic golden brown largely glossed with greenish silver in the interspaces; a white fascia on costa, narrowing to base and apex; a white fascia in submedian fold to below end of cell and a white fascia in discal fold beyond the cell, expanding to termen; a slightly incurved golden line at end of cell, arising just below costa; an ocellate postmedial mark between veins 4 and 2 with two black pupils defined by chrome-yellow streaks which are connected on inner side; cilia silvery white with a golden tinge. Hind wing glossy white, the cilia silvery. Underside white, the fore wing with the cell and area just beyond its upper extremity tinged with red-brown.

*Hab.* N. NIGERIA, Ilorin (*Macfie*), 1 ♀ type, Minna (*Macfie*), 1 ♀. *Exp.* 30 mm.

## Genus CÆNOTALIS, nov.

Type, *C. distictalis*.

Proboscis aborted and small; palpi downcurved, extending about three times length of head and thickly scaled; maxillary palpi strongly dilated with scales at extremity; frons rounded, with tuft of scales above; antennæ of male laminate. Fore wing with the apex produced and acute, the termen oblique; vein 3 from well before angle of cell; 5 from above angle; 6 from below upper angle; 7 from angle; 8, 9, 10 stalked; 11 anastomosing with 12. Hind wing with vein 3 from well before angle of cell; 4, 5 stalked; 6 obsolescent from below upper angle; 8 anastomosing with 7.

In key differs from *Gadira* in the fore wing having vein 10 stalked with 8, 9, and 11 anastomosing with 12.

*Cænotalis distictalis*, sp. n.

Head, thorax, and abdomen white tinged with rufous; palpi white, irrorated with black-brown. Fore wing white tinged with rufous and irrorated with dark brown; two obliquely placed black discoidal points; an indistinct oblique brownish line from costa before apex to vein 2 just beyond the cell; a fine black terminal line; cilia with a fine dark line at middle. Hind wing glossy white faintly tinged with ochreous. Underside white tinged with rufous, the fore wing and costal area of hind wing more strongly.

*Hab.* N. NIGERIA, Borgu, Yelwa L. (*Migeod*), 1 ♂, 1 ♀ type. *Exp.*, ♂ 22, ♀ 24 mm.

## Genus PRIONOTALIS, nov.

Type, *P. peracutella*.

Proboscis small; palpi downcurved, about three times length of head and fringed with hair below; maxillary palpi strongly dilated with scales; frons smooth and without tuft of hair; antennæ of

female almost simple. Fore wing very long and narrow, the costa arched, the apex produced to an acute point, the termen very oblique; the cell long; vein 3 from well before angle of cell; 4, 5 from angle; 6 from well below upper angle; 7 from just below the angle; 8, 9 stalked; 10, 11 from cell, 11 anastomosing with 12. Hind wing with the cell long; vein 3 from well before angle of cell; 4, 5 from angle; 6 from below upper angle; 7 slightly anastomosing with 8.

In key differs from *Charltona* in the fore wing having the apex produced and acute, vein 11 anastomosing with 12.

*Prionotalis peracutella*, sp. n.

♀. Head and thorax whitish tinged with pale pink; abdomen white faintly tinged with red-brown; pectus, legs, and ventral surface of abdomen white faintly tinged with red-brown. Fore wing whitish suffused with pale pink, the terminal half of costa deeper pink; a small dark brown spot below the cell near base, slight antemedial marks formed by dark scales below costa and cell, a similar medial bar below costa, spots below the cell and above vein 1, and spots in and beyond upper angle of cell; a double curved postmedial series of slight dark spots on the veins; a terminal series of black points; cilia dark brown mixed with some whitish. Hind wing silvery white; the underside with the costal area slightly tinged with ochreous.

*Hab.* GOLD COAST, Sekondi, 1 ♀; N. NIGERIA, Zungeru (*Simpson*), 1 ♀ type; BR. C. AFRICA, Zomba (*Rendall*). *Exp.* 36 mm.

(6 a) *Charltona rufalis*, sp. n.

♂. Head and thorax whitish suffused with rufous; abdomen golden brown; palpi and legs golden brown, the fore legs darker. Fore wing brownish rufous mixed with whitish; a white streak in base of cell continued along median nervure and on bases of veins 4, 3, defined by a dark brown streak below basal half of cell and a dark streak above from middle of cell; an ill-defined white spot at upper angle of cell and some diffused white above inner margin before middle; short blackish streaks in the interspaces at termen; cilia with some whitish mixed. Hind wing dark glossy reddish brown, the cilia paler with a fine whitish line at base. Underside uniform dark glossy reddish brown.

♀. Abdomen with the anal tuft fulvous yellow; fore wing paler rufous irrorated with elongate dark brown scales.

*Hab.* MADRAS, Nilgiris, Oucherlony Valley (*Andrewes*), 2 ♂, 3 ♀ type; TRAVANCORE, Trivandrum (*Fergusson*), 1 ♀. *Exp.*, ♂ 40, ♀ 54 mm.

(7 a) *Charltona endothermalis*, sp. n.

♀. Head and thorax pale ochreous white mixed with red-brown; abdomen pale ochreous tinged with red-brown except at base; palpi red-brown except above; legs suffused with red-brown. Fore wing ochreous white, the costal area slightly tinged with red-brown, the

inner area suffused with red-brown, sparsely irrorated with dark brown scales, some of the scales forming a slight diffused obliquely curved shade from discal fold beyond the cell to below middle of cell; a terminal series of black points from apex to submedian fold. Hind wing creamy white suffused with reddish brown except at base and inner margin; a slight brown terminal line to submedian fold; cilia creamy white. Underside creamy white tinged with red-brown, the fore wing with obscure white discoidal bar.

*Hab.* MADRAS, Belgaum (*Watson*), 1 ♀ type. *Exp.* 44 mm.

(8 a) *Charltona interstitialis*, sp. n.

♀. Head golden yellow, the antennæ black; thorax ochreous white with dorsal black streak and oblique streak across base of patagia; abdomen pale yellow, tinged with brown except at base; legs suffused with blackish. Fore wing ochreous white; a black streak on costa; a black fascia in discal fold from before middle of cell to termen, interrupted by a pale discoidal bar; a black fascia in submedian fold from base to below end of cell; a black fascia on inner margin from before middle to tornus; a subapical black spot on termen; the terminal area with black fasciæ in the interspaces from below vein 7 to above 2, the fasciæ below vein 5 short and the one below 3 extending to below end of cell; a small black spot at submedian fold on termen. Hind wing yellowish white suffused with reddish brown, the base, inner area, and a streak above median nervure paler; a terminal series of blackish points to submedian fold; cilia pale. Underside yellowish white tinged with reddish brown.

*Hab.* N. NIGERIA, Zungeru (*Macfie*), 1 ♀ type, Ilorin (*Lugard*), 1 ♀. *Exp.* 42 mm.

[To be continued.]

XXII.—*Two new Rodents from Tartagal, Salta, N. Argentina.* By OLDFIELD THOMAS.

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BEFORE obtaining the series from Abrapampa and Casabindo, of which an account is given above, Sr. Budin tried collecting at Tartagal, in the comparatively lowland part of the Province of Salta. Conditions, however, were not very suitable for the work, while a plague of ants rendered trapping almost nugatory. Examples of the following species were however obtained, among them being a new tuco-tuco with the highly exceptional habit of living in thick forest instead of open country:—

1. *Hesperomys venustus*, Thos.

♀. 401. Tartagal, 600 m.  
 "Caught in woods."—*E. B.*